

ABSTRACT

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A neighboring base station information update
method etc. is provided that appropriately updates and
5 sets information about neighboring base stations,
which is sent from a base station to a mobile station.
The mobile station captures from a received perch
channel, base station information about the base
station that transmits the perch channel, and
10 transmits the base station information to a base
station. The base station receives the base station
information, and updates the neighboring base station
information in accordance with the base station
information. For example, the perch channel is spread
15 into a wideband using a spreading code with a rate
higher than an information rate, and in addition, is
doubly spread using a first spreading code set that
has a cycle period equal to an information symbol
period and is common to all the base stations, and a
20 second spreading code that has a cycle period longer
than the information symbol period and differs from
base station to base station. The base station
information consists of a second spreading code number
used by the base station and phase information about
25 the second spreading code. According to the present
invention, the inter-base station asynchronous system
can implement fast cell search comparable to that of

the inter-base station synchronous system in the
standby mode and soft handover mode.